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10	30	50
CAGGGGACATGAGAGGCACACCGAAGACCCACCTCCTGGCCTTCTCCCTCCTCTGCCTCC		
<u>MetArgGlyThrProLysThrHisLeuLeuAlaPheSerLeuLeuCysLeuL</u>		
70	90	110
TCTCAAAGGTGCGTACCCAGCTGTGCCCGACACCATGTACCTGCCCCTGGCCACCTCCCC		
<u>euSerLysValArgThrGlnLeuCysProThrProCysThrCysProTrpProProProA</u>		
130	150	170
GATGCCCCGCTGGGAGTACCCCTGGTGCTGGATGGCTGTGGCTGCTGCCGGGTATGTGCAC		
rgCysProLeuGlyValProLeuValLeuAspGlyCysGlyCysCysArgValCysAlaA		
190	210	230
GGCGGCTGGGGGAGCCCTGCGACCAACTCCACGTCTGCGACGCCAGCCAGGGCCTGGTCT		
rgArgLeuGlyGluProCysAspGlnLeuHisValCysAspAlaSerGlnGlyLeuValC		
250	270	290
GCCAGCCCGGGGAGGACCCGGTGGCCGGGGGGCCCTGTGCCTCTTGGCAGAGGACGACA		
ysGlnProGlyAlaGlyProGlyGlyArgGlyAlaLeuCysLeuLeuAlaGluAspAspS		
310	330	350
GCAGCTGTGAGGTGAACGGCCGCCTGTATCGGGAAGGGGAGACCTTCCAGCCCCACTGCA		
erSerCysGluValAsnGlyArgLeuTyrArgGluGlyGluThrPheGlnProHisCysS		
370	390	410
GCATCCGCTGCCGCTGCGAGGACGGCGGCTTACCTGCGTGCCGCTGTGCAGCGAGGATG		
erIleArgCysArgCysGluAspGlyGlyPheThrCysValProLeuCysSerGluAspV		
430	450	470
TGCGGCTGCCAGCTGGGACTGCCCCACCCCAGGAGGGTCGAGGTCCTGGGCAAGTGCT		
alArgLeuProSerTrpAspCysProHisProArgArgValGluValLeuGlyLysCysC		
490	510	530
GCCCTGAGTGGGTGTGCGGCCAAGGAGGGGGACTGGGGACCCAGCCCCTTCCAGCCCAAG		
ysProGluTrpValCysGlyGlnGlyGlyGlyLeuGlyThrGlnProLeuProAlaGlnG		
550	570	590
GACCCAGTTTTTCTGGCCTTGTCTCTTCCCTGCCCCCTGGTGTCCCCTGCCAGAAATGGA		
lyProGlnPheSerGlyLeuValSerSerLeuProProGlyValProCysProGluTrpS		

FIG. 1A

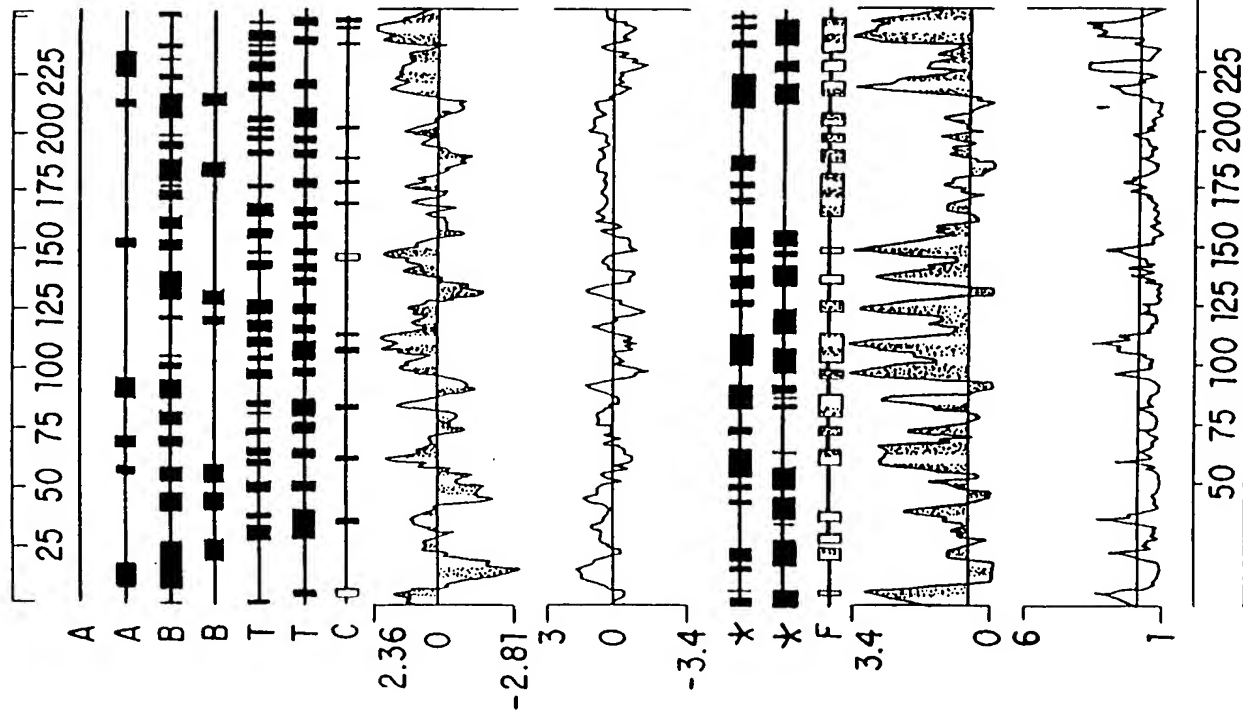
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610 630 650
GCACGGCCTGGGGACCCTGCTCGACCACCTGTGGGCTGGGCATGGCCACCCGGGTGTCCA
erThrAlaTrpGlyProCysSerThrThrCysGlyLeuGlyMetAlaThrArgValSerA
670 690 710
ACCAGAACCGCTTCTGCCGACTGGAGACCCAGCGCCGCTGTGCCTGTCCAGGCCCTGCC
snGlnAsnArgPheCysArgLeuGluThrGlnArgArgLeuCysLeuSerArgProCysP
730 750 770
CACCTCCAGGGTTCGAGTCCACAAAACAGTGCCTTCTAGAGCCGGGCTGGGAATGGGG
roProSerArgGlyArgSerProGlnAsnSerAlaPheEnd
790 810 830
ACACGGTGTCCACCATCCCCAGCTGGTGGCCCTGTGCCTGGGCCCTGGGCTGATGGAAGA
850 870 890
TGGTCCGTGCCCAGGCCCTTGGCTGCAGGCAACACTTTAGCTTGGGTCCACCATGCAGAA
910 930 950
CACCAATATTAACACGCTGCCTGGTCTGTCTGGATCCCGAGGTATGGCAGAGGTGCAAGA
970 990 1010
CCTAGTCCCCTTTCTCTAACTCACTGCCTAGGAGGCTGGCCAAGGTGTCCAGGGTCCTC
1030 1050 1070
TAGCCCACTCCCTGCCTACACACACAGCCTATATCAAACATGCACACGGGCGAGCTTTCT
1090 1110 1130
CTCCGACTTCCCCTGGGCAAGAGATGGGACAAGCAGTCCCTTAATATTGAGGCTGCAGCA
1150 1170 1190
GGTGCTGGGCTGGACTGGCCATTTTTCTGGGGGTAGGATGAAGAGAAGGCACACAGAGAT
1210 1230 1250
TCTGGATCTCCTGCTGCCTTTTCTGGAGTTTGTAATTTGTTCTGAATACAAGCCTATG
1270
CGTGAIAAAAAAAAAAAAAAAAAA

FIG. 1B

	1		50
CTGF-1aa	MTAASMGPVR VAFVLLALC SRPAV.GQNC SGPCRCPDEP APRCPAGVSL		
CTGF-3aaMRGTPK THLLAFSLLC LLSKVRTQLC PTPCTCP.WP PPRCPLGVPL		
	51		100
CTGF-1aa	VLDGCGCCRV CAKQLGELCT ERDPCDPHKG LFCDFGSPAN RKIGVC.TAK		
CTGF-3aa	VLDGCGCCRV CARRLGEPD QLHVCDASQG LVCQPGAGPG GRGALCLLAE		
	101		150
CTGF-1aa	DGAPCIFGGT VYRSGESFQS SCKYQCTCLD GAVGCMPLCS MDVRLPSPDC		
CTGF-3aa	DDSSCEVNGR LYREGETFQP HCSIRCRCD GGFTCVPLCS EDVRLPSWDC		
	151		200
CTGF-1aa	PFPRRVKLPG KCCEEWVCDE PKDQTVVGPA LAAYRLEDTF GPDPTMIRAN		
CTGF-3aa	PHPRRVEVLG KCCPEWVCQG GGGLGTQPLP AQGPQFSGLV SSLPPGVP..		
	201		250
CTGF-1aa	CLVQTTEWSA CSKTCGMGIS TRVTNDNASC RLEKQSRLCM VRPCEADLEE		
CTGF-3aa	CPEWSTAWGP CSTTCGLGMA TRVSNQNRFC RLETQRRCL SRPCPPSRGR		
	251		300
CTGF-1aa	NIKKGKKCIR TPKISKPIKF ELSGCTSMKT YRAKFCGVCT DGRCCTPHRT		
CTGF-3aa	SPQNSAF... ..		
	301		350
CTGF-1aa	TTLPVEFKCP DGEVMKKNMM FIKTCACHYN CPGDNDIFES LYRKMYGDM		
CTGF-3aa		
	351		
CTGF-1aa	A		
CTGF-3aa	.		

FIG.2



■ ALPHA, REGIONS - GARNIER-ROBSON
 ■ ALPHA, REGIONS - CHOU-FASMAN
 ■ BETA, REGIONS - GARNIER-ROBSON
 ■ BETA, REGIONS - CHOU-FASMAN
 ■ TURN, REGIONS - GARNIER-ROBSON
 ■ TURN, REGIONS - CHOU-FASMAN
 □ COIL, REGIONS - GARNIER-ROBSON

■ HYDROPHILICITY PLOT - KYTE-Doolittle

□ HYDROPHOBICITY PLOT - HOPP-WOODS

■ ALPHA, AMPHIPATHIC REGIONS - EISENBERG
 ■ BETA, AMPHIPATHIC REGIONS - EISENBERG
 ■ FLEXIBLE REGIONS - KARPLUS-SCHULZ

■ ANTIGENIC INDEX - JAMESON-WOLF

□ SURFACE PROBABILITY PLOT - EMINI

FIG.3